

Synopsis

- Competent, diligent & result oriented person offering experience of **over (9.2 Years)** across mechanical industry. Lastly spearheaded functions as **Asst.manager in M/s.Mahindra & Mahindra ltd (Farm Equipment sector)**
- Expertise in Lean Manufacturing system implementation for optimized use of resources and minimizing wastage.
- Adept at formulating teams for improving the quality levels of the line and thereby reducing the overall ppm
- Designing and development of process through process innovation and various cost effective methods.
- New product development & parts submission inline with customer commitment date.
- Expertise in documentation ECN change/Customer_drawing_change/Part_Technical documentation & PPAP documentation.
- Expertise project Management.

Education

B-Tech (Engineering-Technology),BITS pilani institute of technology, Hyderabad – (With 70%).

Diploma (Mechanical Engineering), 2013 , V Ramakrishna polytechnic, Chennai-(With 89%).

Key skills : (Core Competencies)

- *New Product Introduction
- *RFQ ,DAP approval & Commissioning of new machines
- *Engineering Change management
- *ISO TS 16949
- *Vehicle Assembly Process establishment
- *Good Knowledge in AutoCAD and solid works
- *Continuous Improvement
- *DFM/DFA
- *Project Management (From start of new product to mass production handovering)
- *Tooling development (Fixtures, Gauges & tools)

*PFD,PFMEA & CONTROL PLAN

*Experience in Lean manufacturing

*Experience in new technology Tightening tools for Assy

*Knowledge on casting and forging components

*Knowledge on machined components & Sheet metal parts

*SAP

*BOM

*Capacity Enhancement

Career Glimpse

1. M/s.Mahindra & Mahindra Ltd (Farm Equipement Sector), March_24th_2021_Till date

* With a presence in over 40 countries Mahindra has leveraged on its quality, as the only tractor brand in the world, to win both the Deming Award and the Japanese Quality Medal. Mahindra has the most comprehensive range of tractors from and is synonymous with India's tractor industry. In March 2019, Mahindra became the first Indian tractor brand to roll out 3 million tractors.

Department : **Engineering support/NPD Project Management**

Designation : **Assistant Manager**

Roles & Responsibilities:

*New Product Introduction

*RFQ ,DAP approval & Commissioning of new machines

*Engineering Change management

*ISO TS 16949

*Vehicle Assembly Process establishment

*Good Knowledge in AutoCAD and solid works

*Continuous Improvement

*DFM/DFA

*Project Management (From start of new product to mass production handovering)

*Tooling development (Fixtures, Gauges & tools)

*PFD,PFMEA & CONTROL PLAN

*Experience in Lean manufacturing

*Experience in new technology Tightening tools for Assy

*Knowledge on casting and forging components

*Knowledge on machined components & Sheet metal parts

*SAP

*BOM

*Capacity Enhancement

*FTR trial for ECN(Engineering change note) change parts

APPAP Trial for ECN change parts

*Capex preparation for Assets

*Preparation of NPD (APQP) document related to the product/process

*New products –Projects management inline with customer commitment date submission of proto samples.

*Knowledge on casting and forging components

*Knowledge on machined components

*Cost saving projects & Improvements in the way of PQCDSP

*New model Tractor Assy and Testing and New line forming and production handovering.

*Experience in new technology Tightening tools for Assy

Completed projects Highlights:

- RGV line to Mainline –Tractor assy models migration project successfully completed

Potential Benefits – Cost saving 60L/Annum and 8 man power reduced.

- (FTG , Material handling equipment's handovering)-Developed inhouse and saved Rs.5L.

Technical knowledge:(Machines,Products,technical discussions):

- Good Knowledge available in Study the machined products and decision making in process feasibility.
- Technical feasibility discussion with internal team and customer as well.
- Good communication and presentation skill available.

- Knowledge gear products development in hobbing route, shaving route, helical hobbing vs shaving route & CNC turning process and VMC processes.
- New machine procurement & commissioning with supplier.
- Technical discussion with supplier & decision making for urgently hiring new products.
- Supplier technical documentation verification.
- Good Knowledge in Transmission Gears products.
- Good Knowledge in Hobbing, shaping ,CNC turning, Rolling, Forging & Casting processes.

2. M/s.Volvo Eicher commercial vehicles ltd , June_6th_2019_to March_ 8th_ 2021

* Eicher Engineering Components (EEC) is one leading Transmission, Aggregates and Components division unit of VE Commercial Vehicles Limited, a Volvo Group and Eicher Motors joint venture; EEC came into existence in a take-over from Ramon & Demm, Thane (near Mumbai), which was incidentally the first commercial gear manufacturing facility in India in the auto-ancillary sector.

ISO/TS 16949: 2009 certified company; TUV SUD MANAGEMENT SERVICE GmbH

* Leading manufacturer of high precision Differential and Transmission Gears (Crown Wheel & Pinions, Straight Bevels, Transmission Gears & Shafts, and Engine Gears) and more than 350 variants of Transmission Assemblies to a worldwide clientele in the OEMs and Aftermarket segments.

Department : **New product development/Project Management /Process development/Technical _ PPAP Documentation.**

Designation : **Junior Manager**

Roles & Responsibilities:

- New product Introduction
- ISO TS _PPAP _Technical documentation
- Prepare PFMEA, process flow, Operation flow sheet, SOP for new products.
- Technical discussion –New products with supplier and customer...
- Capex preparation for Assets
- Tooling development (Fixtures, Gauges & tools)
- Preparation of NPD (APQP) document related to the process
- Customer relation /Taking care of single window representative for all activities with customer.
- New products –Projects management inline with customer commitment date submission of proto samples.((From start of new product to mass production handovering))
- SAP BOM & ROUTING

<u>Documentation& Customer Relation:</u>

- As per the customer specific requirement PPAP documents preparation.
- Ensure the requirements as per the customer specific standard.
- Good experience in presenting the technical requirement PPT direct to customer.(Related to new products)
- Develop collaborative relationships across the Parts Information Division, with customers / dealers and other cross functional groups (specifically product groups) to ensure operational goals are accomplished.
- Engineering change affected documents updation.
- Customer drg revision affected documents updation

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- Good communication and presentation skill available.
- Knowledge gear products development in hobbing route, shaving route, helical hobbing vs shaving route & CNC turning process and VMC processes.
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- Good Knowledge in Hobbing, shaping ,CNC turning, Rolling, Forging & Casting processes.

Major Achievements :

1.New product development - 35 varieties of transmission gear were developed over one year.(Spur gear, Helical gear & crown gears & shafts)

2.PPAP documentation done and submitted for over 5 customers and 50 above parts & PSW got approved.

3.Customer relation - I am a single window for particular customer from start of offer to end of dispatch the parts to customer.

4.New products- Process feasibility discussion with customer and freezing the drg print as per requirement. And process flow release.

4.New products- Process feasibility discussion with Supplier and freezing the drg print as per requirement.

3. Rane TRW Steering Systems Ltd, Trichy,

JUL'2013– JUN'2019

Leading manufacturer of Hydraulic Power Steering Gear for OEM companies such as Ashok Leyland, TATA Motors, Mahindra & Mahindra, Daimler, Eicher motors & AMW.

ISO/TS 16949: 2009, IATF 16949 ,EMS 14001, OHASAS certified company, has won Deming application prize and holds Japan Quality Metal for TQM practices.

Department : **Manufacturing Engineering**
Designation : **Executive (Apr'2018–Apr'2020)**
Designation : **Deputy Executive (Jul'2013 – Mar'2018)**

Roles & Responsibilities:

1. Facility development
2. Design of Jigs & fixture, gauges for component of FIG gear.
3. Process development and establishment for new product.
4. Proto Sample built for new products.
5. Prepare PFMEA, process flow, Operation flow sheet, SOP for new product.
6. Preparation of NPD (APQP) document related to the process.
7. CAPEX preparation for the asset.
8. Flexibility improvements.
9. SAP BOM & ROUTING
10. Knowledge on casting and forging components
11. DAP approval & Commissioning of new machines
12. Capacity Planning
13. PQCDSM way of improvement

Major Achievements : LPS implementation, Process Planning, Designing of Tooling, New product development.

- HFB72 steering gear box volume increase in our RANE TRW on September month 2017. *While analysis there is no issues to supplies the tata motors asked gears quantity. *But we have met the problem in gear part of sector shaft teeth machining. Which this part teeth shaping operation cycle time were high .so,that required out put not able to get and met. At the time we have planned to reduce in feed and strokes. But shaping inserts life not meet the actuals life. While analysis ,if we will do the roughing operation in teeth half of the cycle to be reduced in finish shaping in shaping machine. Immediately we have organized for hobbing machine to put rough teeth operation. Enquired and take the machine from supplier end which was proved immediately. Normally we have get the cycle time in direct teeth shaping operation is 8 min for HFB72 sector shaft component. after hobbing rough introduced cycle time was 3 min only.so that our productivity improved. Rough cycle time is :3 min.
- Successfully completed 20 new Product Sample builds.
- Overall coordinator of a New product and was solely responsible for its launch.
- Reduced the overall line ppm through extensive analysis. About 10 projects completed.
- Involved in preparation of documents for 2 major TQM audits

- Developed new supplier source for consumables.
- Part of the team that successfully increased the plant capacity from 18,000 to 22,000 & 22,000 to 26,000 from this past two years through New Facilities , Cycle time reduction , Setup time – reduction.
- Successfully completed 10 Tool cost reduction project .

Specialized Areas of Exposure:

- 5S
- Gear Hobbing& Gear shaping
- Kaizen
- ISO TS 16949Implementation
- TQM Implementation
- LPS
- Visual control and POKA-YOKE systems
- Problem solving techniques such as why-why analysis, 7 QC tools
- Troubleshooting analyzing
- QCC

Software skills:

- Auto CAD
- Microsoft Office
- Microsoft power point presentation
- Microsoft word

Personal profile

Date of birth :22 may 1995

Marital Status :Married

Nationality : Indian

Languages Known : Tamil, English, Hindi & Kannada

Permanent address : 94 / 56 , Kaliamman kovil street ,
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Notice Period : 3 Months

Place: Chennai

Date: S.Sakthivel

(S.Sakthivel)